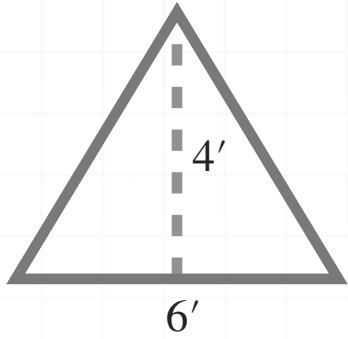


Topic: Area of a triangle**Question:** Find the area of the triangle.**Answer choices:**

- A 24 ft^2
- B 12 ft^3
- C 12 ft
- D 12 ft^2



Solution: D

We'll use the formula

$$A = \frac{1}{2}bh$$

where A is area, b is the length of the base of the triangle, and h is the length of the height of the triangle.

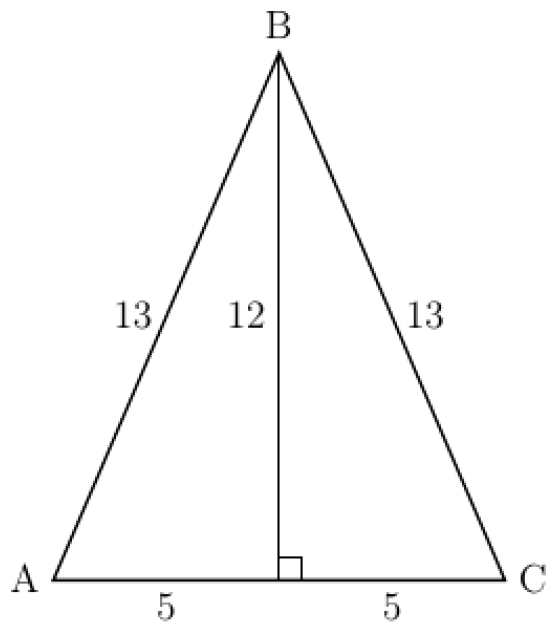
Plugging in the dimensions of the triangle we've been given, we get

$$A = \frac{1}{2}(6)(4)$$

$$A = \frac{1}{2}(24)$$

$$A = 12 \text{ ft}^2$$



Topic: Area of a triangle**Question:** What is the area of triangle ABC?**Answer choices:**

- A 60 square units
- B 65 square units
- C 120 square units
- D 156 square units



Solution: A

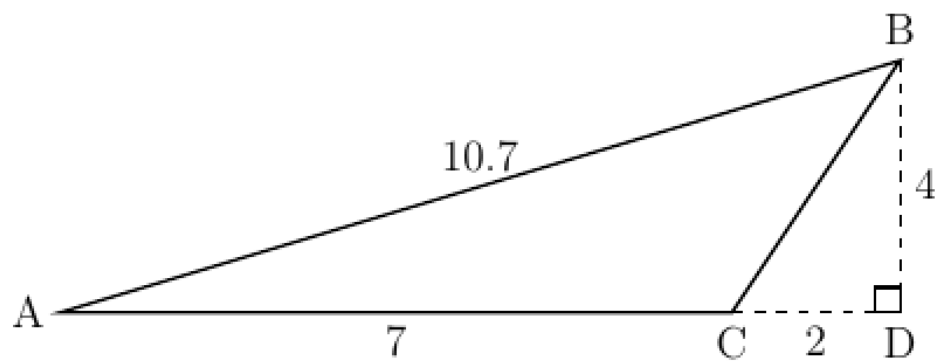
The base b is AC , which has a length of 10.

The height h is 12.

So the area is given by

$$\text{area} = \frac{1}{2} \cdot (10)(12) = 60 \text{ square units}$$



Topic: Area of a triangle**Question:** What is the area of triangle ABC?**Answer choices:**

- A 4 square units
- B 8 square units
- C 14 square units
- D 18 square units



Solution: C

The base b is AC , which has a length of 7.

The height h is BD , which has a length of 4.

So the area is given by

$$\text{area} = \frac{1}{2} \cdot (7)(4) = 14 \text{ square units}$$

